REMOTE MONITORING OF ATHLETE'S BLOOD PRESSURE DURING TRAINING OR COMPETITION BASED ON ARTIFICIAL INTELLIGENCE ALGORITHMS

I ntroduction. Analysis of information obtained from long-term observations and scientific studies [1- 5] shows that professional athletes face various health risks: muscle and bone injuries, excessive fatigue and fluid loss, risk of cardiovascular diseases (CVD) and mental disorders, etc. The most critical health risk factor for athletes is blood pressure (BP). Arterial hypotension (AH) as a physiological adaptation of the body to regular and intensive physical exertion is one of the components of the classic triad of "physiological sports heart": bradycardia, moderate dilation of the right chambers of the heart, and arterial hypotension.

Full text